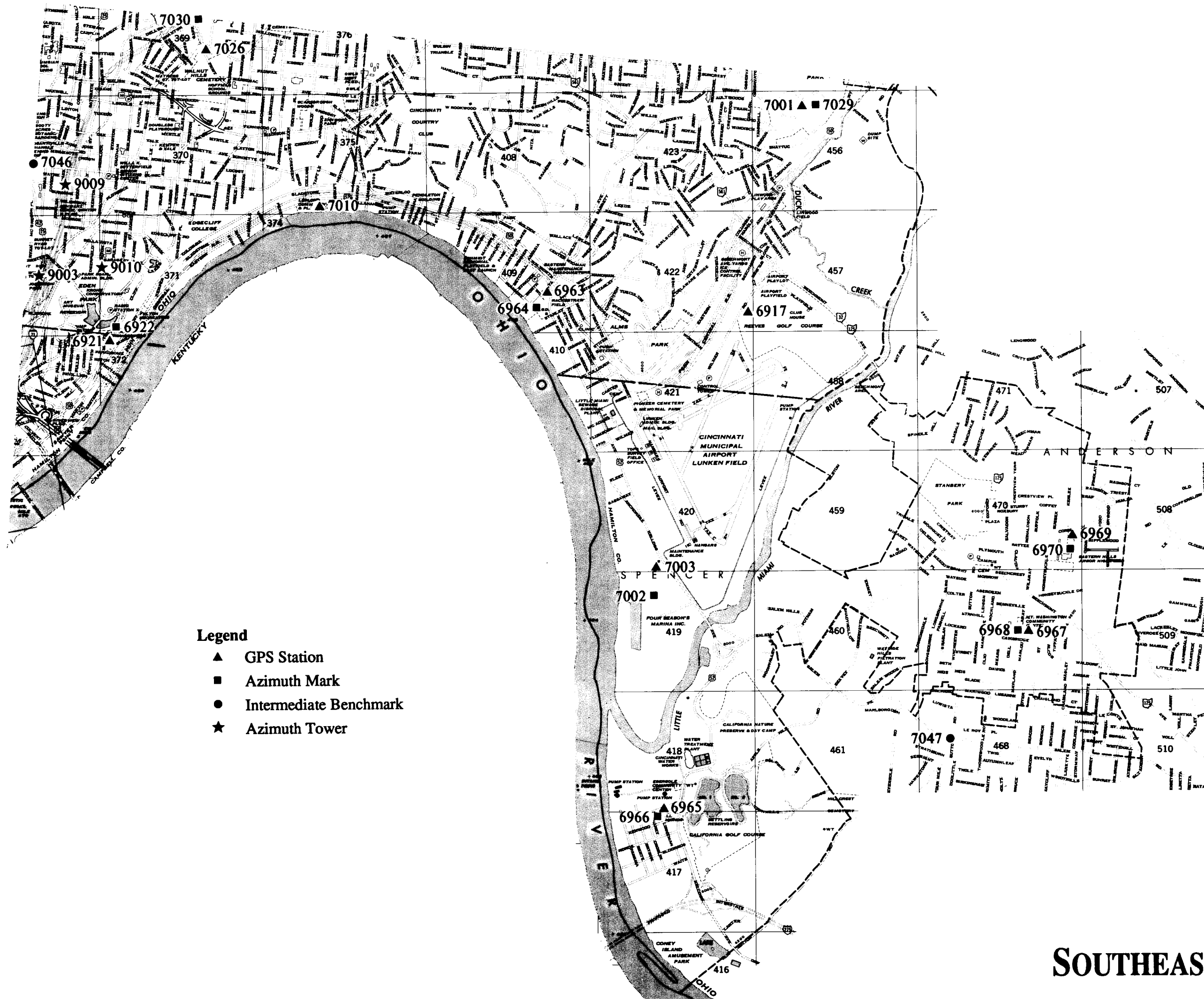

SOUTHEAST QUADRANT

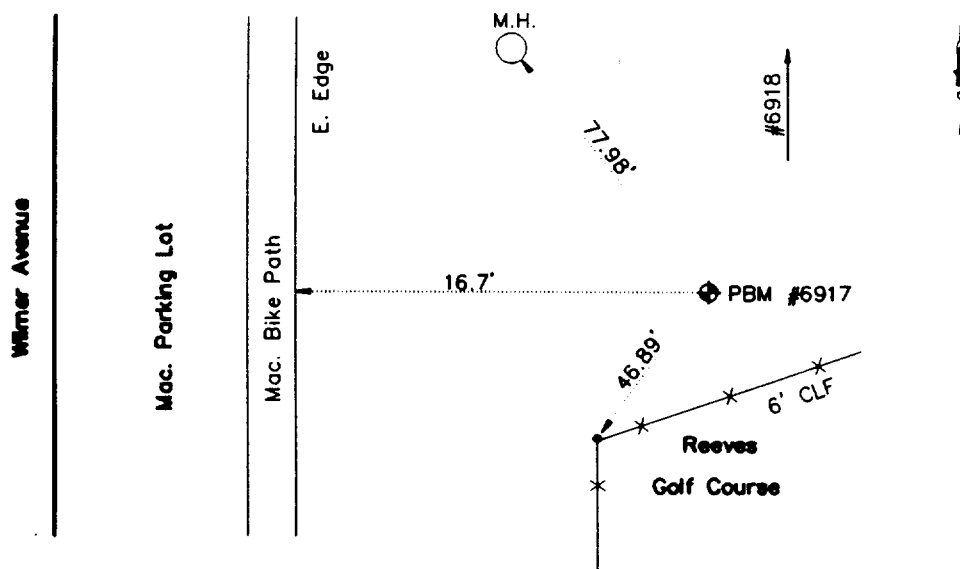


LUNKEN AIRPORT



City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: LUNKEN PLAYFIELD SOUTH



STATION IS LOCATED AT LUNKEN AIRPORT PLAYFIELD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.40 MI (0.64 KM) TO COLUMBIA PARKWAY (US 50), GO 6.30 MI (10.14 KM) EASTERLY TO THE BEECHMONT AVENUE EXIT, GO 0.60 MI (0.97 KM) SOUTHEAST TO WILMER AVENUE, GO 0.10 MI (0.16 KM) SOUTHWEST TO THE LUNKEN PLAYFIELD ENTRANCE. THE STATION IS APPROXIMATELY 500 FT (152.4 M) SOUTHWEST OF THE ENTRANCE DRIVE. THE STATION IS SET FLUSH WITH THE TOP OF GROUND AND IS 16.7 FT (5.1 M) EAST FROM THE EAST EDGE OF A 8.5 FOOT MACADAM BIKE PATH, 77.98 FT (23.77 M) SOUTHEAST FROM THE CENTER OF A MANHOLE AND 46.89 FT (14.29 M) NORTHEAST FROM THE NORTH FACE OF A CHAIN LINK CORNER POST (FENCE ENCLOSES REEVES GOLF COURSE).

Horizontal	
Latitude (dms)	N 39 06 53.84433
Longitude (dms)	W 84 24 59.62848
State Plane Zone	(3402) Ohio South
Scale	0.99994690
Convergence (dms)	-1 12 57.95
Accuracy	1st Order
Datum	NAD 83
Easting (X) in meters	434,265.232
Northing (Y) in meters	125,533.766
Easting (X) in US Survey ft.	1,424,751.849
Northing (Y) in US Survey ft.	411,855.362

Final Adjusted Coordinate from NGS	March 1992
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Vertical	
Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	144.4643
Elevation in US Survey ft.	473.963
Final Adjusted Elevation from NGS	June 1991

Grid Bearing to B.M. 6918

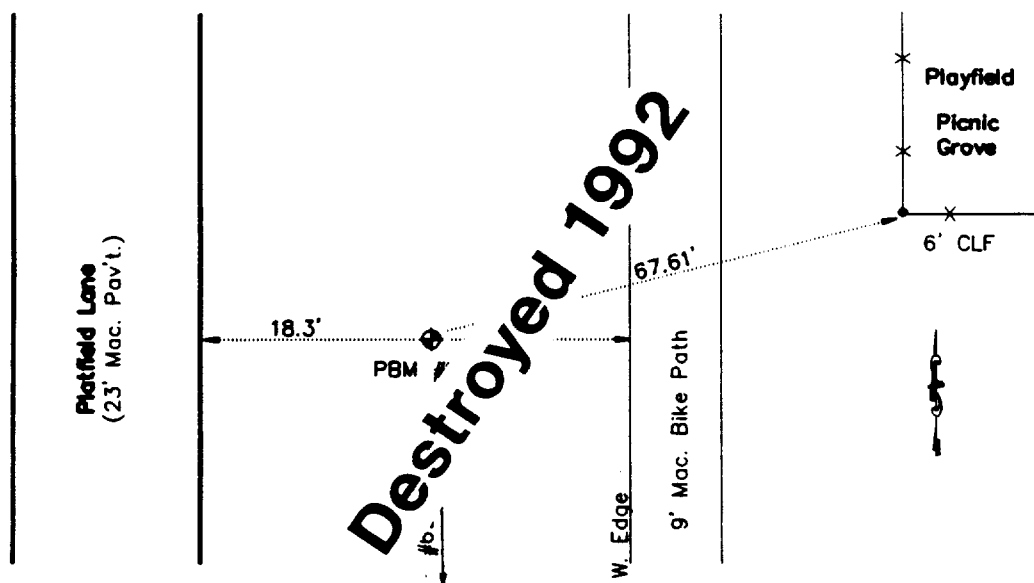
Neighborhood: East End

N 38 49 28 E

No. 6917

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: LUNKEN PLAYFIELD NORTH



STATION IS LOCATED A LUNKEN AIRPORT PLAYFIELD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.40 MILES TO COLUMBIA PARKWAY (US 50), GO 6.30 MI (10.14 KM) EASTERLY TO THE BEECHMONT AVENUE EXIT, GO 0.60 MI (0.97 KM) SOUTHEAST TO WILMER AVENUE, GO 0.10 MI (0.16 KM) SOUTHWEST TO THE LUNKEN PLAYFIELD ENTRANCE. THE STATION IS APPROXIMATELY 300 FT (91.4 M) NORTHEAST OF THE ENTRANCE. THE STATION IS FLUSH WITH THE GROUND AND IS SET 18.3 FT (5.6 M) EAST OF THE EAST EDGE OF THE PLAYFIELD DRIVEWAY, 3.1 FT (0.9 M) WEST OF THE WEST EDGE OF A 9.0 FOOT MACADAM BIKE PATH AND 67.61 FT (20.61 M) SOUTHWEST OF THE SOUTH FACE OF A CHAIN LINK FENCE CORNER POST SURROUNDING THE PLAYFIELD PICNIC GROVE.

Horizontal

Latitude (dms)
 Longitude (dms)
 State Plane Zone (3402) Ohio South
 Scale
 Convergence (dms)
 Accuracy
 Datum 1st Order
 Easting (X) in meters
 Northing (Y) in meters
 Easting (X) in US Survey ft.
 Northing (Y) in US Survey ft.

Final Adjusted Coordinate from NGS	
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Vertical

Accuracy
 Datum
 Elevation in meters
 Elevation in US Survey ft.

2nd Order Class II
 NAVD 29 NAVD 88

Final Adjusted Elevation from NGS	
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No. 6918

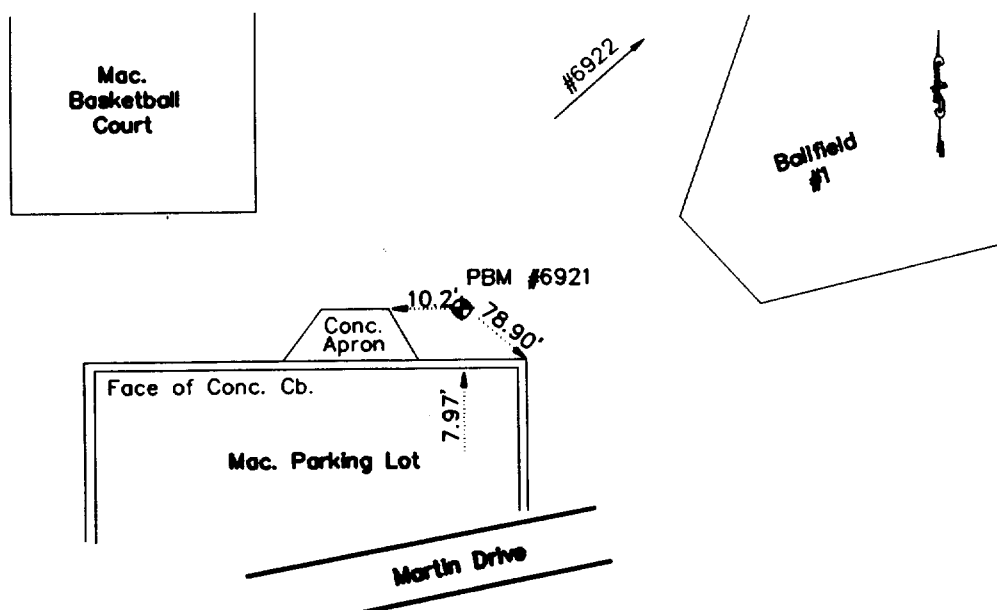
Neighborhood: East End

Grid Bearing
 to B.M. 6917

S 38 49 28 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: EDEN PARK BALLFIELD



STATION IS LOCATED AT THE EDEN PARK BALLFIELDS ON MARTIN DRIVE BETWEEN PARKSIDE PLACE AND CLIFF DRIVE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON E. 5TH STREET 0.9 MI, EXIT ON TO MARTIN DRIVE AND CONTINUE EASTWARDLY 0.5 MI (0.8 KM) EDEN PARK IS LOCATED ON THE NORTH SIDE OF MARTIN DRIVE. THE STATION IS SET FLUSH WITH THE GROUND 10.20 FT (3.11 M) SOUTHWEST OF THE NORTHEAST CORNER OF A CONCRETE DRIVE APRON, 7.97 FT (2.43 M) NORTH OF THE NORTH LINE OF A BLACK TOP PARKING LOT, 78.90 FT (24.05 M) NORTHWEST OF THE NORTHEAST CORNER OF A BLACKTOP PARKING LOT.

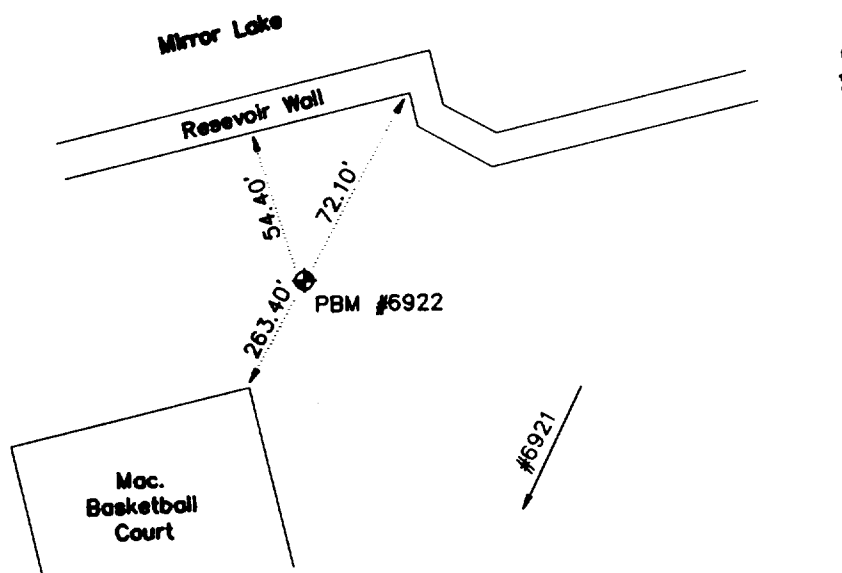
Horizontal		Vertical	
Latitude (dms)	N 39 06 41.51268	Accuracy	2nd Order Class II
Longitude (dms)	W 84 29 34.61199	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	
Scale	0.99994718	Elevation is US Survey ft.	
Convergence (dms)	-1 15 52.43	Final Adjusted Elevation from NGS	
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	427,652.561		
Northing (Y) in meters	125,296.583		
Easting (X) in US Survey ft.	1,403,056.778		
Northing (Y) in US Survey ft.	411,077.205		
Final Adjusted Coordinate from NGS	March 1992	Grid Bearing to B.M. 6922	N 06 30 37 W

No. 6921

Neighborhood: Eden Park

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: EDEN PARK BALLFIELD



STATION IS LOCATED AT THE EDEN PARK BALLFIELDS ON MARTIN DRIVE BETWEEN PARKSIDE PLACE AND CLIFF DRIVE, IN CINCINNATI, OHIO TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO EAST ON E. 5TH STREET 0.9 MI, EXIT ON TO MARTIN DRIVE AND CONTINUE EASTWARDLY 0.5 MI (0.8 KM). EDEN PARK IS LOCATED ON THE NORTH SIDE OF MARTIN DRIVE. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 72.10 FT SOUTHWEST OF A RESERVOIR WALL, 54.40 FT SOUTH OF SAME RESERVOIR WALL AND 263.40 FT NORTHEAST OF THE NORTHEAST CORNER OF A MACADAM BASKETBALL COURT.

Azimuth Mark

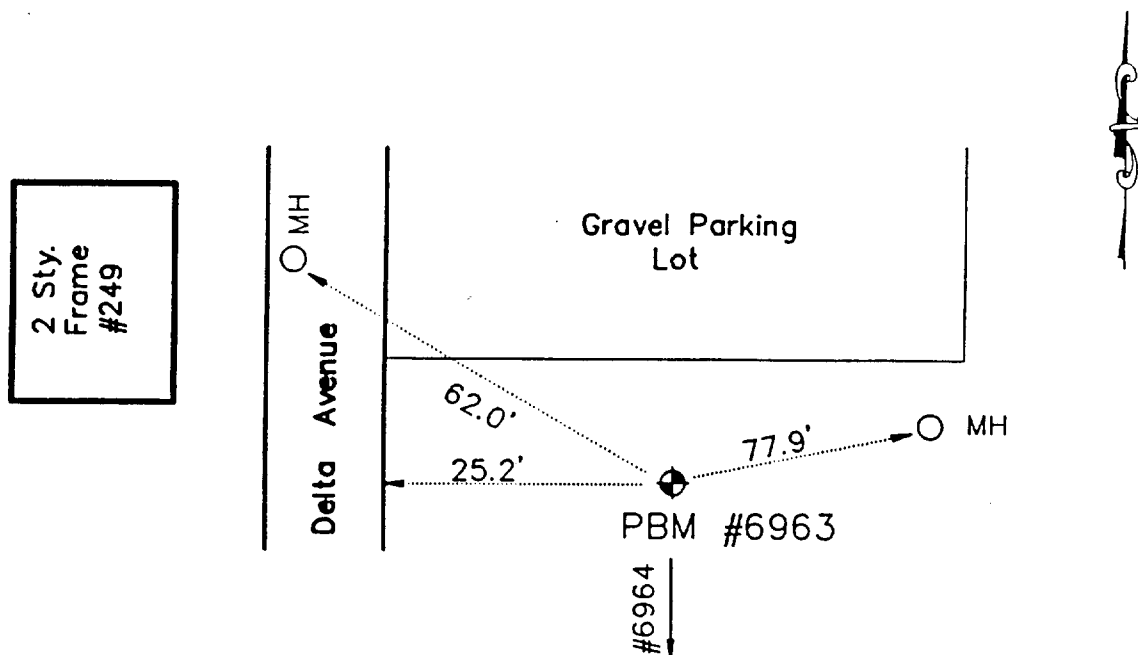
No. 6922

Neighborhood: Eden Park

Pairs with B.M. 6921

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: TURKEY RIDGE PARK



STATION IS LOCATED AT TURKEY RIDGE PARK AT THE INTERSECTION OF DELTA AND KELLOGG AVENUES, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT THE CORNER OF MAIN AND FIFTH STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TURN RIGHT ON COLUMBIA PARKWAY FOR 3.85 MI (6.20 KM) TO DELTA AVENUE, TURN RIGHT ON DELTA TO KELLOGG AVENUE. PARK IS LOCATED AT THE SOUTHWEST CORNER OF DELTA AND KELLOGG AVENUES. STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 77.90 FT (23.74 M) NORTHEAST OF AN INLET MANHOLE, 25.20 FT (7.68 M) EAST OF THE EAST LINE OF DELTA AVENUE, 4.70 FT (1.43 M) SOUTH OF THE SOUTH SIDE OF A HOUSE AT 249 DELTA AVENUE EXTENDED EAST.

Horizontal

Latitude (dms) N 39 06 56.58832
 Longitude (dms) W 84 26 27.22858
 State Plane Zone (3402) Ohio South
 Scale 0.99994684
 Convergence (dms) -1 13 53.53
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 432163.146
 Northing (Y) in meters 125663.307
 Easting (X) in US Survey ft. 1,417,855.255
 Northing (Y) in US Survey ft. 412,280.365

Final Adjusted Coordinate from NGS	March 1992
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Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 149.9022
 Elevation in US Survey ft. 491.804

Final Adjusted Elevation from NGS	June 1991
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No. 6963

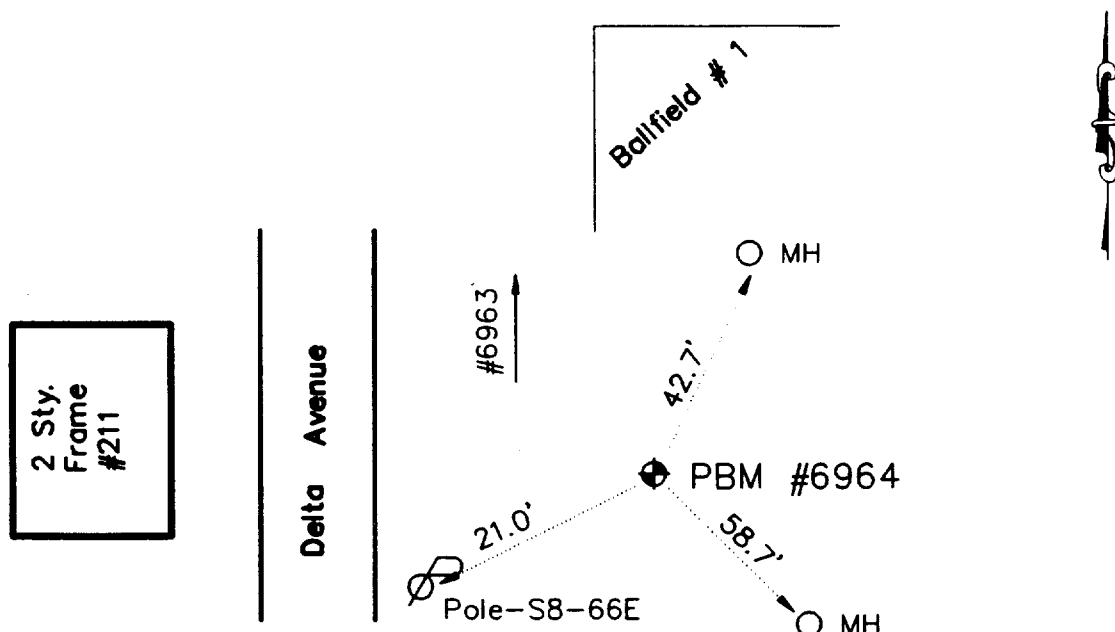
Neighborhood: EAST END

Grid Bearing
to B.M. 6964

S 48 31 59 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: TURKEY RIDGE PARK



STATION IS LOCATED AT TURKEY RIDGE PARK AT THE INTERSECTION OF DELTA AND KELLOGG AVENUES, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT THE CORNER OF MAIN AND FIFTH STREETS IN DOWNTOWN CINCINNATI, GO EAST ON FIFTH STREET 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TURN RIGHT ON COLUMBIA PARKWAY FOR 3.85 MI (6.20 KM) TO DELTA AVENUE, TURN RIGHT ON DELTA TO KELLOGG AVENUE. THE PARK IS LOCATED AT THE SOUTHWEST CORNER OF DELTA AND KELLOGG AVENUES. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 58.7 FT NORTHWEST OF AN INLET MANHOLE, 42.7 FT SOUTHWEST OF AN INLET MANHOLE, 21.0 FT NORTHEAST OF A POWER POLE AND 2.8 FT EAST OF THE EAST EDGE OF DELTA AVENUE AND IN LINE WITH THE SOUTH EDGE PRODUCED EAST OF RESIDENCE NO. 211 LOCATED ON THE WEST SIDE OF SAID DELTA AVENUE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	147.4553
Elevation in US Survey feet	483.776
Final Adjusted Elevation from NGS	June 1991

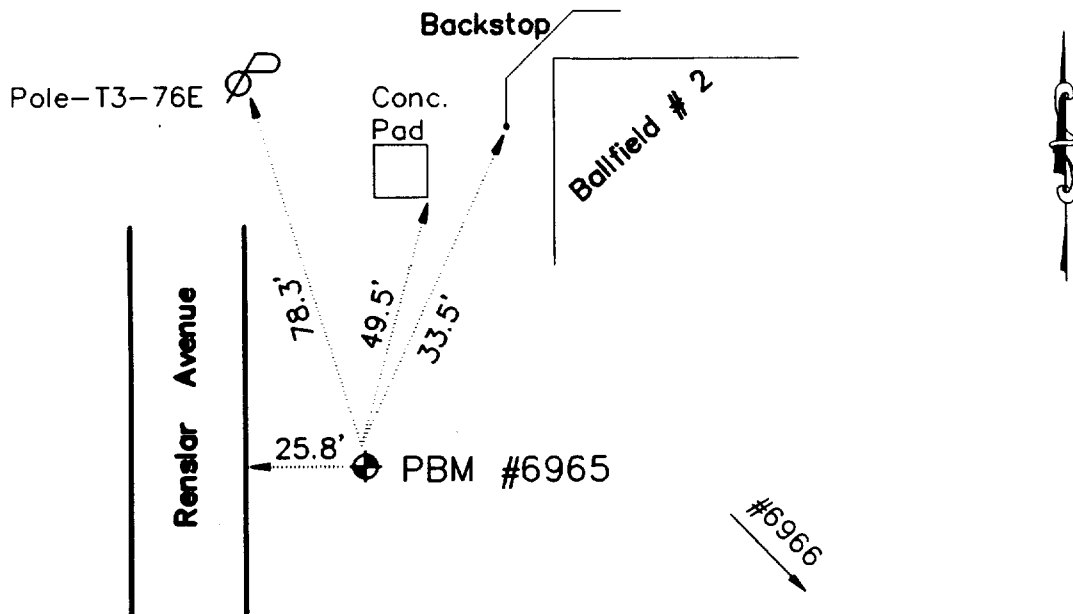
No. 6964

Neighborhood: EAST END

Pairs with B.M. 6963

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: CALIFORNIA BALL PARK



STATION IS LOCATED AT CALIFORNIA PARK BALLFIELDS ON RENSLAR AVENUE, ONE BLOCK SOUTH OF KELLOGG AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET FOR 0.30 MI (0.48 KM) TO COLUMBIA PARKWAY. STAY ON COLUMBIA PARKWAY FOR 3.85 MI (6.20 KM) TO DELTA AVENUE, TURN RIGHT ON DELTA AVENUE FOR 0.10 MI (0.16 KM) TO KELLOGG AVENUE, TURN LEFT ONTO KELLOGG FOR 3.80 MI (6.12 KM) TO RENSLAR AVENUE, TURN RIGHT ONTO RENSLAR THE PARK WILL BE SITUATED ON THE LEFT SIDE ONE BLOCK SOUTH OF KELLOGG. STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 25.80 FT (7.86 M) EAST OF THE EAST LINE OF RENSLAR AVENUE, 78.30 FT (23.87 M) SOUTHEAST OF AN ELECTRIC POLE NO. T3-76E, AND 33.50 FT (10.21 M) SOUTHWEST OF THE SOUTHWEST END OF A CHAIN LINK BACKSTOP FENCE FOR BALLFIELD NO. 2.

Horizontal		Vertical	
Latitude (dms)	N 39 04 06.47131	Accuracy	2nd Order Class II
Longitude (dms)	W 84 25 36.23669	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	149.289
Scale	0.99995102	Elevation is US Survey ft.	489.79
Convergence (dms)	-1 13 21.18	Final Adjusted Elevation from NGS	August 1992
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	433,275.887		
Northing (Y) in meters	120,392.449		
Easting (X) in US Survey ft.	1,421,505.972		
Northing (Y) in US Survey ft.	394,987.558		
Final Adjusted Coordinate from NGS	March 1992		

Grid Bearing
to B.M. 6966

No. 6965

Neighborhood: California

S 10 11 22 W

**Grid Bearing
to B.M. 6966**

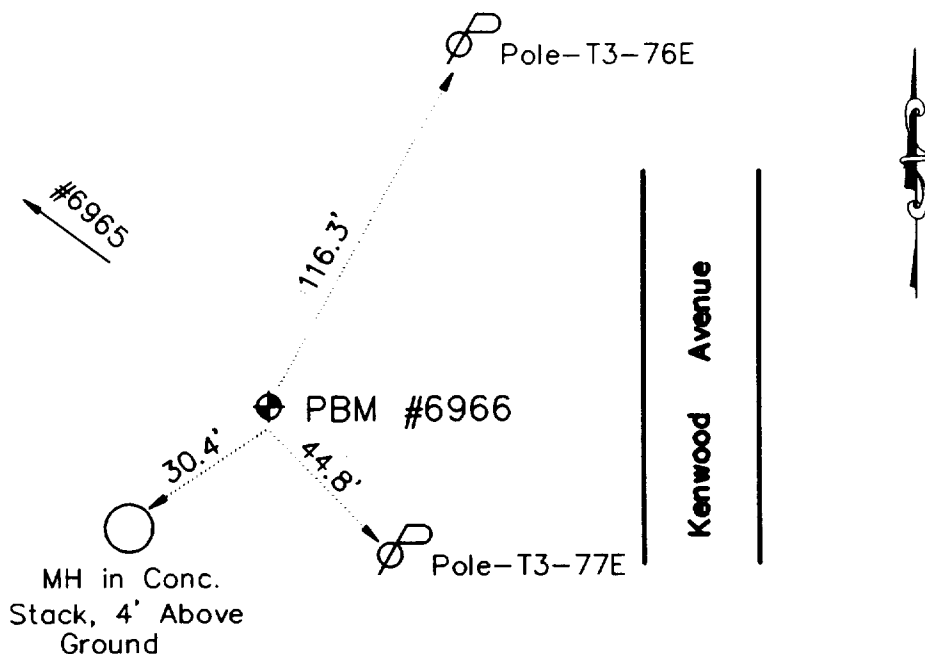
Neighborhood: California

S 10 11 22 W

No. 6965

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: CALIFORNIA BALL PARK



STATION IS LOCATED AT CALIFORNIA PARK BALLFIELDS ON RENSAR AVENUE, ONE BLOCK SOUTH OF KELLOGG AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET FOR 0.30 MI (0.48 KM) TO COLUMBIA PARKWAY. STAY ON COLUMBIA PARKWAY FOR 3.85 MI (6.20 KM) TO DELTA AVENUE, TURN RIGHT ON DELTA AVENUE FOR 0.10 MI (0.16 KM) TO KELLOGG AVENUE, TURN LEFT ONTO KELLOGG FOR 3.80 MI (6.12 KM) TO RENSAR AVENUE, TURN RIGHT ONTO RENSAR THE PARK WILL BE SITUATED ON THE LEFT SIDE ONE BLOCK SOUTH OF KELLOGG. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 116.3 FT SOUTHWEST OF ELECTRICAL POLE #T3-76E, 44.8 FT NORTHWEST OF ELECTRICAL POLE #T3-77E AND 30.4 FT NORTHEAST OF A MANHOLE SET IN A 4 FT CONCRETE BASE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	148.109
Elevation in US Survey feet	485.92

Final Adjusted Elevation from NGS	August 1992
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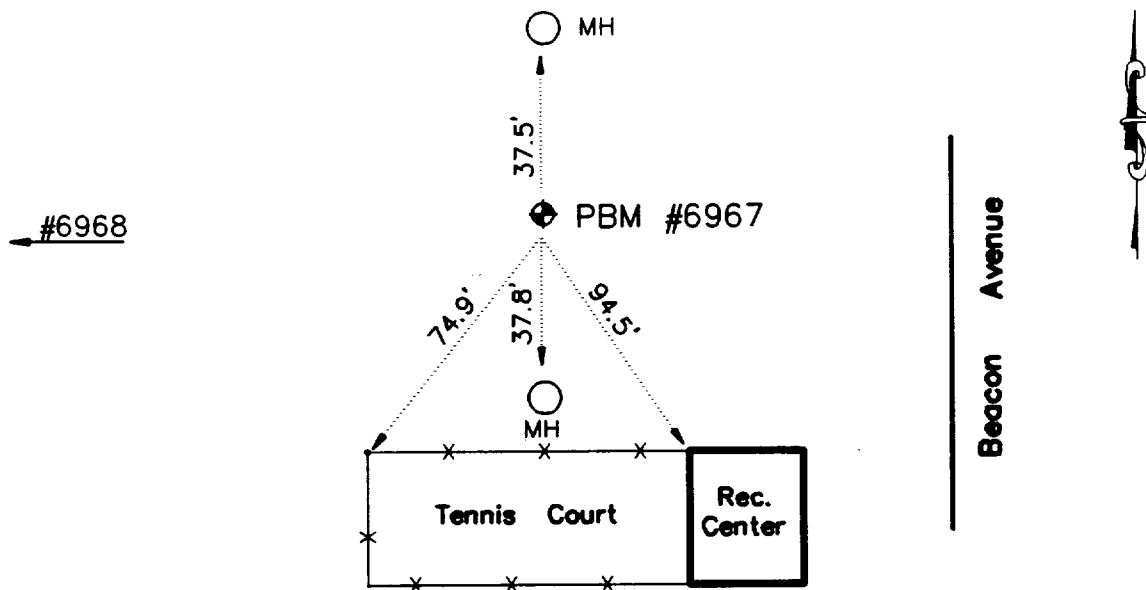
No. 6966

Neighborhood: California

Pairs with B.M. 6965

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: MOUNT WASHINGTON PARK



STATION IS LOCATED AT MOUNT WASHINGTON PARK ON BEACON AVENUE, ONE BLOCK SOUTH OF BEECHMONT AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET FOR 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TAKE COLUMBIA PARKWAY TO BEECHMONT AVENUE, TURN RIGHT ON BEECHMONT FOR 3.20 MI (5.15 KM) TO BEACON AVENUE. TURN RIGHT ON BEACON PARK IS LOCATED ON THE RIGHT SIDE OF BEACON AVENUE ONE BLOCK SOUTH OF BEECHMONT AVENUE. STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 37.50 FT (11.43 M) SOUTH OF AN INLET MANHOLE, 94.50 FT (28.80 M) NORTHWEST OF THE NORTHWEST CORNER OF A BRICK RECREATION CENTER BUILDING, 74.90 FT (22.83 M) NORTHEAST OF THE NORTHWEST CORNER OF A 10.0 FT (3.0 M) CHAIN LINK FENCE FOR THE TENNIS COURTS.

Horizontal

Latitude (dms) N 39 05 08.31120
 Longitude (dms) W 84 22 59.73731
 State Plane Zone (3402) Ohio South
 Scale 0.99994942
 Convergence (dms) -1 11 41.88
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 437,076.829
 Northing (Y) in meters 122,219.600
 Easting (X) in US Survey ft. 1,433,976.230
 Northing (Y) in US Survey ft. 400,982.136

Final Adjusted Coordinate from NGS	March 1992
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Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 221.774
 Elevation is US Survey ft. 727.60

Final Adjusted Elevation from NGS	August 1992
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No. 6967

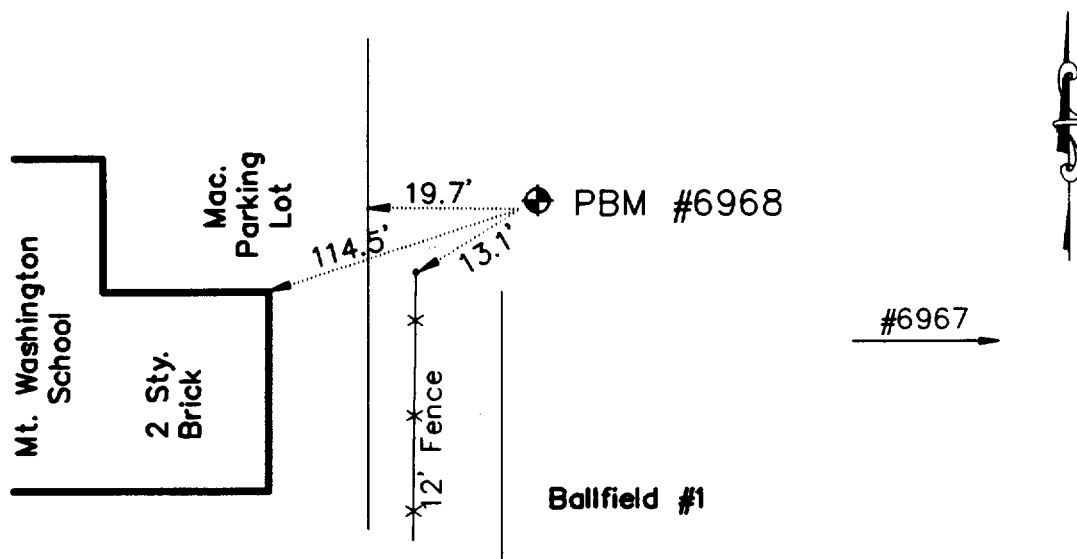
Neighborhood: Mt. Washington

Grid Bearing to B.M. 6968

S 88 46 50 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: MOUNT WASHINGTON PARK



STATION IS LOCATED AT MOUNT WASHINGTON PARK ON BEACON AVENUE, ONE BLOCK SOUTH OF BEECHMONT AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET FOR 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TAKE COLUMBIA PARKWAY TO BEECHMONT AVENUE, TURN RIGHT ON BEECHMONT FOR 3.20 MI (5.15 KM) TO BEACON AVENUE. TURN RIGHT ON BEACON PARK IS LOCATED ON THE RIGHT SIDE OF BEACON AVENUE ONE BLOCK SOUTH OF BEECHMONT AVENUE. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 114.50 FT NORTHEAST OF THE NORTHEAST CORNER OF THE 2 STORY BRICK MT. WASHINGTON SCHOOL BUILDING, 41.2 FT NORTH OF THE SCHOOL BUILDING LINE PRODUCED EAST, 19.7 FT EAST OF THE EAST EDGE OF THE MACADAM PARKING LOT AND 13.1 FT NORTHEAST OF THE END POST OF A 12 FT CHAIN LINK FENCE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	224.192
Elevation in US Survey feet	735.54
Final Adjusted Elevation from NGS	August 1992

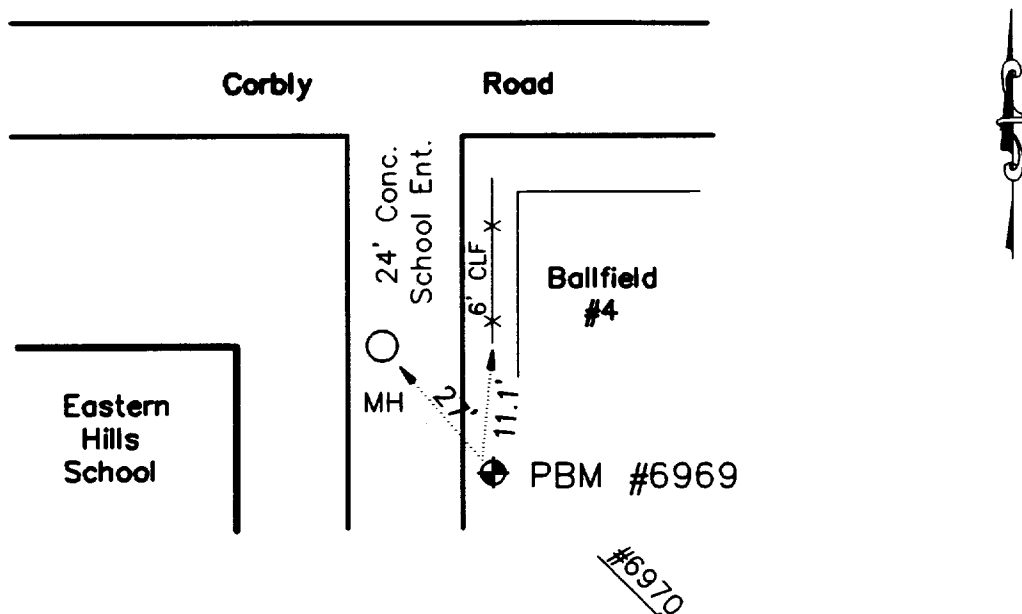
No. 6968

Neighborhood: Mt. Washington

Pairs with B.M. 6967

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: EASTERN HILLS SCHOOL



STATION IS LOCATED AT EASTERN HILLS SCHOOL ON CORBLY ROAD, ONE BLOCK EAST OF SUSSEX AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TAKE COLUMBIA PARKWAY TO BEECHMONT AVENUE, TURN RIGHT ON BEECHMONT FOR 2.60 MI (4.18 KM) TO CORBLY ROAD, TURN LEFT ON CORBLY FOR 0.40 MI, PARK IS LOCATED ON THE EAST SIDE OF SUSSEX AVENUE AND ON THE SOUTH SIDE OF CORBLY ROAD. STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 27.00 FT (8.23 M) SOUTHEAST OF A MANHOLE, 2.40 FT (0.73 M) EAST OF THE EAST SIDE OF THE CONCRETE SCHOOL DRIVE ENTRANCE, AND 11.10 FT (3.38 M) SOUTH OF THE SOUTH END OF A 6.0 FT (1.8 M) CHAIN LINK FENCE ON THE WEST SIDE OF BALLFIELD NO. 4.

Horizontal

Latitude (dms) N 39 05 38.74738
 Longitude (dms) W 84 22 44.02397
 State Plane Zone (3402) Ohio South
 Scale 0.99994867
 Convergence (dms) -1 11 31.91
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 437,473.908
 Northing (Y) in meters 123,150.077
 Easting (X) in US Survey ft. 1,435,278.979
 Northing (Y) in US Survey ft. 404,034.876

Final Adjusted Coordinate from NGS	March 1992
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Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters 227.112
 Elevation is US Survey ft. 745.12

Final Adjusted Elevation from NGS	August 1992
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No. 6969

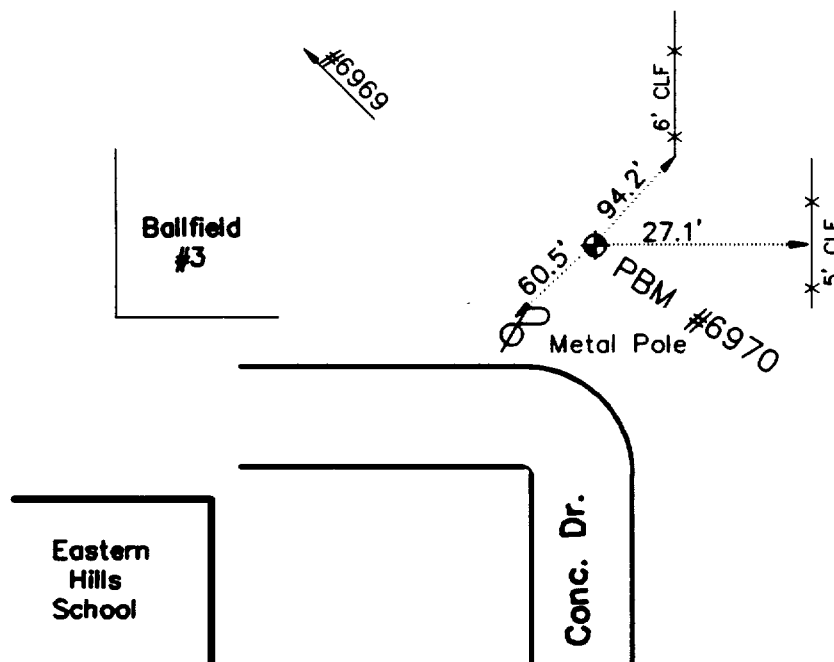
Neighborhood: Mt. Washington

Grid Bearing
 to B.M. 6970

S 30 54 54 E

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: EASTERN HILLS SCHOOL



STATION IS LOCATED AT EASTERN HILLS SCHOOL ON CORBLY ROAD, ONE BLOCK EAST OF SUSSEX AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON W. FIFTH STREET 0.32 MI (0.51 KM) TO COLUMBIA PARKWAY, TAKE COLUMBIA PARKWAY TO BEECHMONT AVENUE, TURN RIGHT ON BEECHMONT FOR 2.60 MI (4.18 KM) TO CORBLY ROAD, TURN LEFT ON CORBLY FOR 0.40 MI, PARK IS LOCATED ON THE EAST SIDE OF SUSSEX AVENUE AND ON THE SOUTH SIDE OF CORBLY ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 94.2 FT SOUTHWEST OF THE END POST OF A 6 FT CHAIN LINK FENCE, 60.5 FT NORTHEAST OF A METAL LIGHT POLE AND 27.1 FT WEST OF A 5 FT CHAIN LINK FENCE.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	227.025
Elevation in US Survey feet	744.83
Final Adjusted Elevation from NGS	August 1992

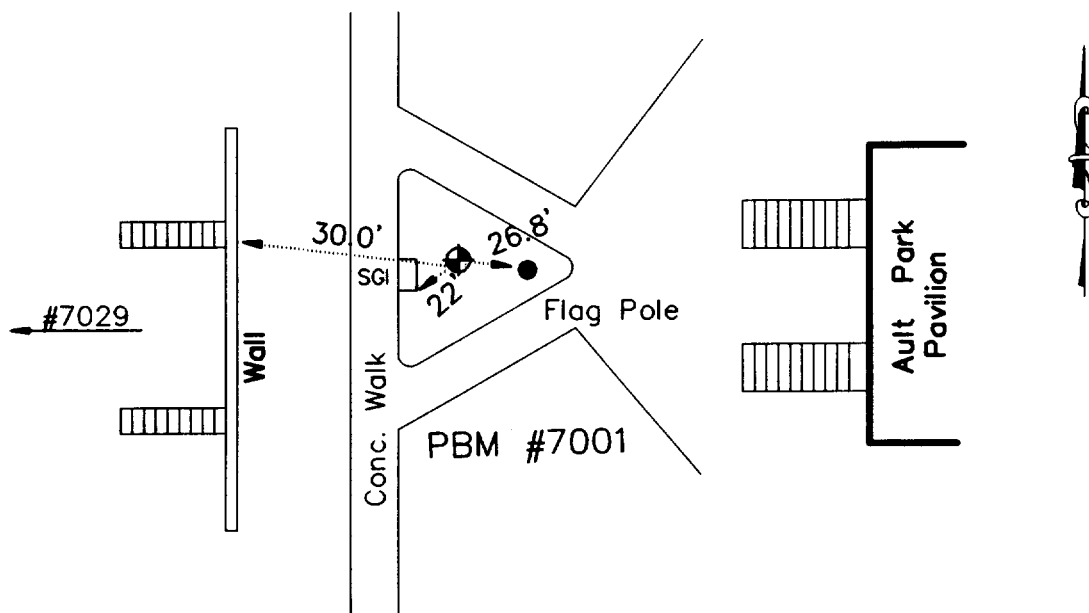
No. 6970

Neighborhood: Mt. Washington

Pairs with B.M. 6969

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: AULT PARK



STATION IS LOCATED AT THE TRIANGULAR ISLAND SURROUNDED BY CONCRETE WALK IN FRONT OF AULT PARK PAVILION IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG 5TH STREET THAT CHANGES TO COLUMBIA PKY. FOR 3.03 MI (4.88 KM) TO TORRENCE PKY. TURN NORTH ON TORRENCE PKY. FOR 0.56 MI (0.90 KM) TO MADISON AVE. TURN NORTHEAST ON MADISON AVE. FOR 0.50 MI (0.80 KM) TO OBSERVATORY AVE. TURN EAST ON OBSERVATORY AVE. THAT CHANGES TO PARKLINE AVE. FOR 2.61 MI (4.20 KM) TO THE STATION. STATION IS SET FLUSH WITH THE GROUND AND IS 6.8 FT (2.1 M) SOUTHWEST OF THE NORTHWEST EDGE OF THE TRIANGULAR ISLAND, 30.0 FT (9.1 M) EAST OF THE WEST EDGE OF THE TRIANGULAR ISLAND AND 26.8 FT (8.2 M) NORTHWEST OF FLAG POLE SITUATED INSIDE THE TRIANGULAR ISLAND SURROUNDED BY CONCRETE WALK.

Horizontal		Vertical	
Latitude (dms)	N 39 07 58.67917	Accuracy	2nd Order Class II
Longitude (dms)	W 84 24 38.46510	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	
Scale	0.99994548	Elevation is US Survey ft.	
Convergence (dms)	-1 12 44.52	Final Adjusted Elevation from NGS	
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	434,815.819		
Northing (Y) in meters	127,521.833		
Easting (X) in US Survey ft.	1,426,558.234		
Northing (Y) in US Survey ft.	418,377.879		
Final Adjusted Coordinate from NGS	March 1992		

Grid Bearing
to B.M. 7029

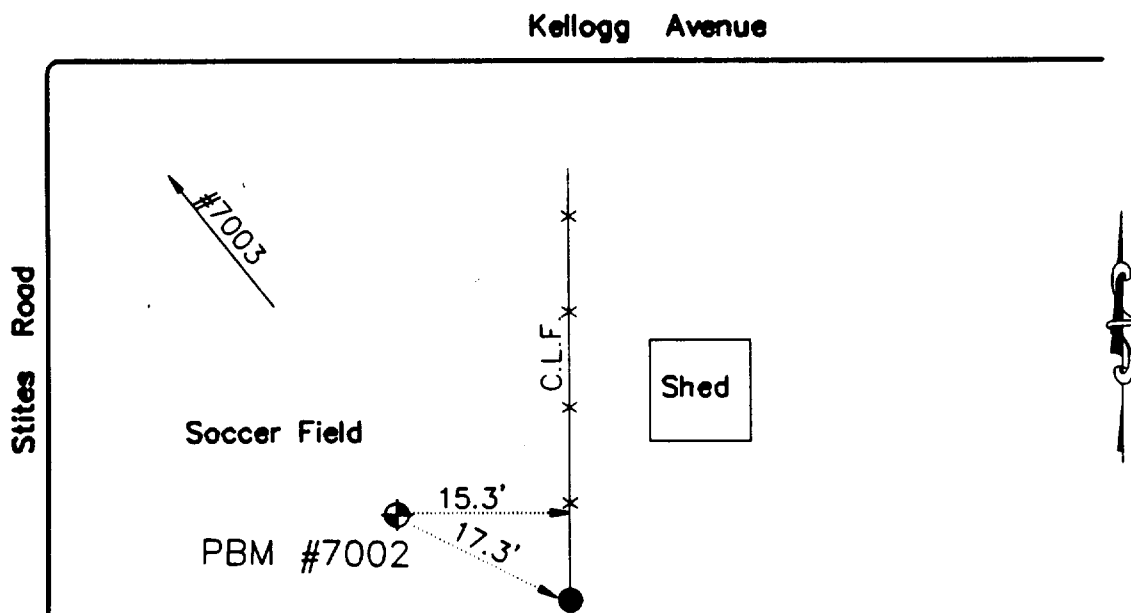
Neighborhood: Mt. Lookout

N 86 29 42 W

No. 7001

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: KELLOGG AVENUE SOCCER FIELDS



STATION IS LOCATED AT KELLOGG AVENUE SOCCER FIELD EAST OF STITES ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG FIFTH ST. THAT CHANGES TO COLUMBIA PKY. AND FOLLOW EAST TO DELTA AVENUE. TURN RIGHT ON DELTA AVENUE AND FOLLOW SOUTH TO KELLOGG AVENUE. TURN SOUTHEAST ON KELLOGG AVE. AND FOLLOW EAST TO STITES RD. TO THE STATION. STATION IS SET FLUSH WITH THE GROUND AND IS 14.0 FT (4.3 M) SOUTH OF THE SOUTH EDGE OF MACADAM DRIVE TO PARKING LOT SOUTH OF KELLOGG AVENUE, 40.0 FT (12.2 M) EAST OF THE EAST EDGE OF PAVEMENT OF STITES ROAD AND 72.0 FT (21.9 M) NORTHEAST OF POWER POLE NO. 75-106F ON THE WEST SIDE OF THE SAID STITES ROAD.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	147.062
Elevation in US Survey feet	482.48

Final Adjusted Elevation from NGS	August 1992
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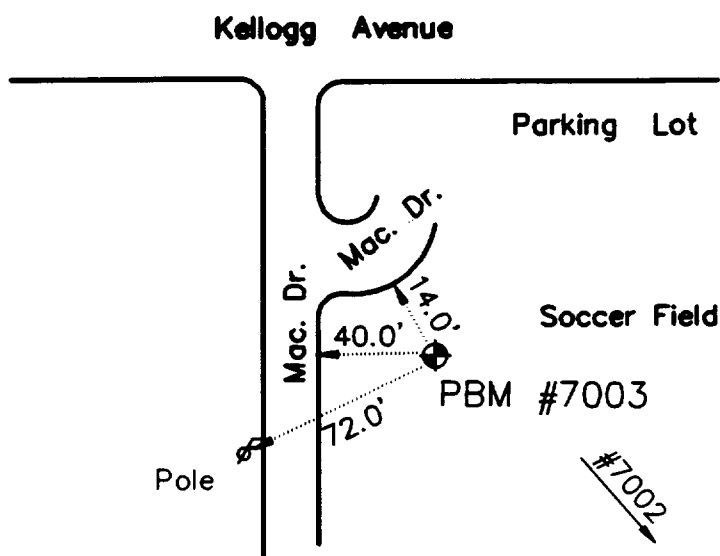
No. 7002

Neighborhood: East End

Pairs with B.M. 7003

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: KELLOGG AVENUE SOCCER FIELDS



STATION IS LOCATED AT KELLOGG AVENUE SOCCER FIELD EAST OF STITES ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG FIFTH ST. THAT CHANGES TO COLUMBIA PKY. AND FOLLOW EAST TO DELTA AVENUE. TURN RIGHT ON DELTA AVENUE AND FOLLOW SOUTH TO KELLOGG AVENUE. TURN SOUTHEAST ON KELLOGG AVE. AND FOLLOW EAST TO STITES RD. TO THE STATION. STATION IS SET FLUSH WITH THE GROUND AND IS 14.0 FT (4.3 M) SOUTH OF THE SOUTH EDGE OF MACADAM DRIVE TO PARKING LOT SOUTH OF KELLOGG AVENUE, 40.0 FT (12.2 M) EAST OF THE EAST EDGE OF PAVEMENT OF STITES ROAD AND 72.0 FT (21.9 M) NORTHEAST OF POWER POLE NO. 75-106F ON THE WEST SIDE OF THE SAID STITES ROAD.

Horizontal		Vertical	
Latitude (dms)	N 39 05 25.48676	Accuracy	2nd Order Class II
Longitude (dms)	W 84 25 36.07134	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	145.638
Scale	0.99994900	Elevation is US Survey ft.	477.82
Convergence (dms)	-1 13 21.07	Final Adjusted Elevation from NGS	August 1992
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	433,331.846		
Northing (Y) in meters	122,828.370		
Easting (X) in US Survey ft.	1,421,689.564		
Northing (Y) in US Survey ft.	402,979.411		
Final Adjusted Coordinate from NGS	March 1992		

No. 7003

Neighborhood: East End

Grid Bearing
to B.M. 7002

S 09 30 29 W

**Grid Bearing
to B.M. 7002**

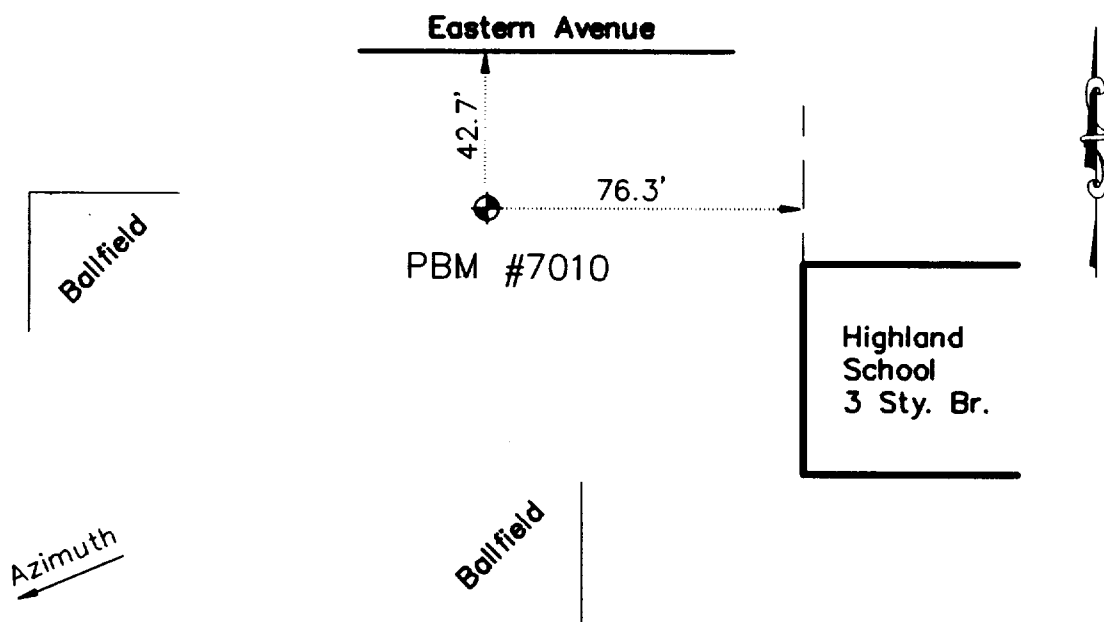
No. 7003

Neighborhood: East End

S 09 30 29 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: LEBLOND BALLFIELDS



STATION IS LOCATED AT THE NORTHEAST CORNER OF LEBLOND BALLFIELDS ON SOUTH SIDE OF RIVER ROAD ON NORTH SIDE OF THE OHIO RIVER IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG 5TH ST. THAT CHANGES TO COLUMBIA PKY. FOR 1.21 MI (1.95 KM) TO BAINES AVE. TURN SOUTHWEST ON BAINES AVE. FOR 1 BLOCK TO EASTERN AVE. TURN EAST ON EASTERN AVE. FOR 1.51 MI (2.43 KM) TO LEBLOND PARK TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 42.7 FT (13.0 M) SOUTH OF THE SOUTH EDGE OF CURB ALONG EASTERN AVENUE AND 76.3 FT (23.3 M) WEST OF THE PRODUCED LINE OF THE WEST SIDE OF 3 STORY BRICK HIGHLAND SCHOOL.

Horizontal

Latitude (dms) N 39 07 25.98962
 Longitude (dms) W 84 27 54.49505
 State Plane Zone (3402) Ohio South
 Scale 0.99994619
 Convergence (dms) -1 14 48.91
 Accuracy 1st Order
 Datum NAD 83
 Easting (X) in meters 430,087.019
 Northing (Y) in meters 126,615.066
 Easting (X) in US Survey ft. 1,411,043.827
 Northing (Y) in US Survey ft. 415,402.930

Final Adjusted Coordinate from NGS	March 1992
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Vertical

Accuracy 2nd Order Class II
 Datum NAVD 29 NAVD 88
 Elevation in meters
 Elevation is US Survey ft.

Final Adjusted Elevation from NGS	
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No. 7010

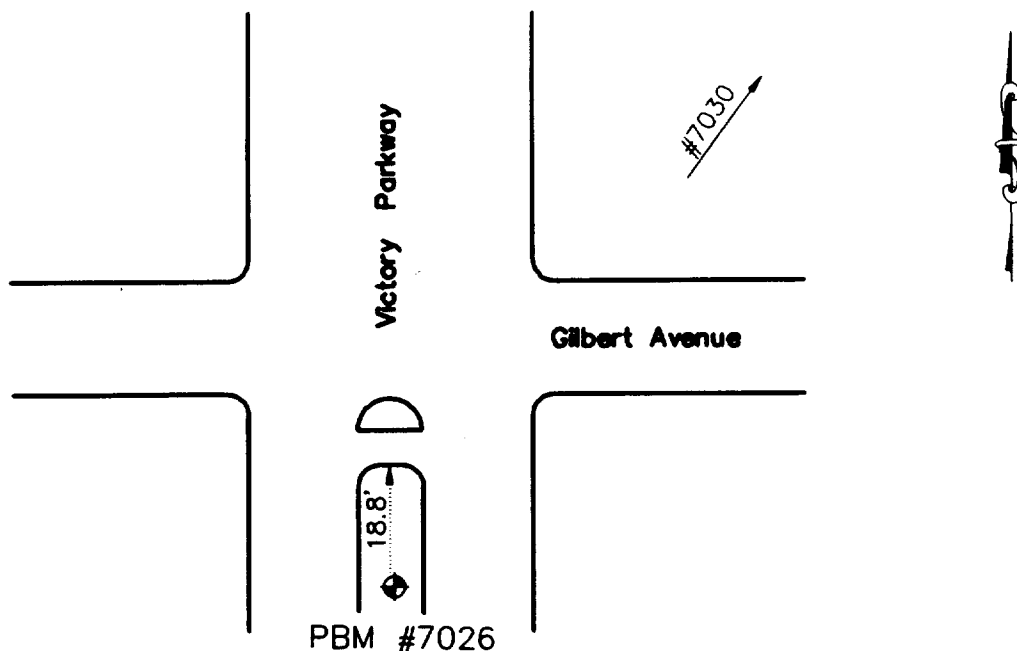
Neighborhood: East End

Grid Bearing
to B.M. 9003

S 76 24 03 W

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: GILBERT AVE AND VICTORY PARKWAY



STATION IS LOCATED AT THE TRAFFIC MEDIAN SOUTH OF THE INTERSECTION OF VICTORY PARKWAY AND GILBERT AVENUE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 2 BLOCKS TO 7TH ST. TURN EAST ON 7TH ST. FOR 2 BLOCKS TO GILBERT AVE. TURN NORTHEAST ON GILBERT AVE. FOR 2.59 MI (4.17 KM) TO VICTORY PKY. TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 18.8 FT (5.7 M) SOUTH OF THE NORTH EDGE OF THE TRAFFIC MEDIAN ALONG VICTORY PARKWAY, 12.4 FT (3.8 M) EAST OF THE WEST EDGE OF THE TRAFFIC MEDIAN AND 3.0 FT (0.9 M) WEST OF THE EAST EDGE OF THE TRAFFIC MEDIAN.

Horizontal		Vertical	
Latitude (dms)	N 39 08 15.67777	Accuracy	2nd Order Class II
Longitude (dms)	W 84 28 54.13006	Datum	NAVD 29 NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	211.445
Scale	0.99994513	Elevation is US Survey ft.	693.72
Convergence (dms)	-1 15 26.74	Final Adjusted Elevation from NGS	August 1992
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	428,688.577		
Northing (Y) in meters	128,178.216		
Easting (X) in US Survey ft.	1,406,455.771		
Northing (Y) in US Survey ft.	420,531.362		
Final Adjusted Coordinate from NGS	March 1992		

No. 7026

Neighborhood: Walnut Hills

Grid Bearing
to B.M. 7030

N 14 27 03 W

No. 7026

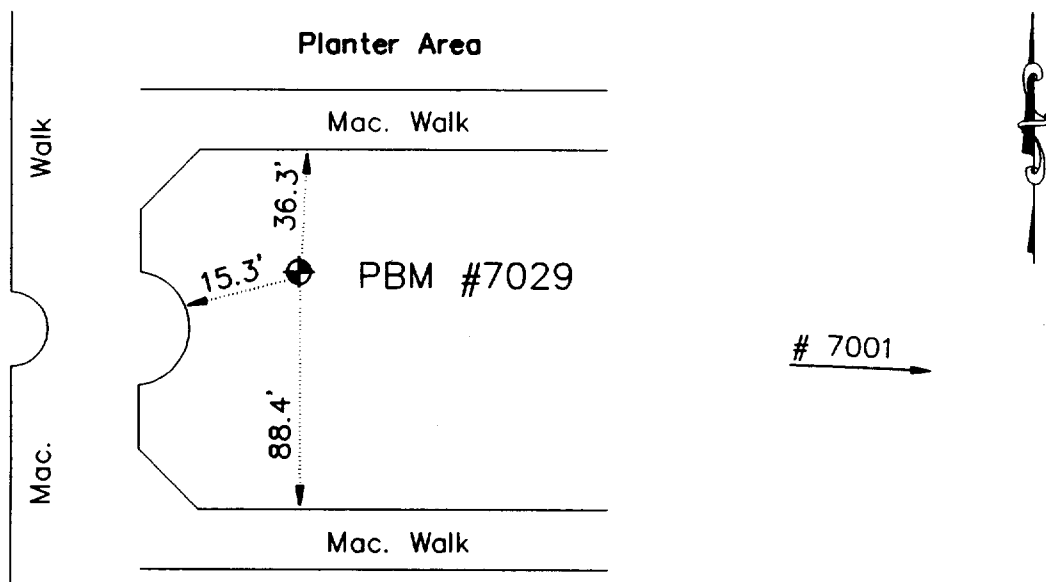
Neighborhood: Walnut Hills

**Grid Bearing
to B.M. 7030**

N 14 27 03 W

**City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET**

Approximate Location: AULT PARK



STATION IS LOCATED AT THE TRIANGULAR ISLAND SURROUNDED BY CONCRETE WALK IN FRONT OF AULT PARK PAVILION IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED EAST ALONG 5TH STREET THAT CHANGES TO COLUMBIA PKY. FOR 3.03 MI (4.88 KM) TO TORRENCE PKY. TURN NORTH ON TORRENCE PKY. FOR 0.56 MI (0.90 KM) TO MADISON AVE. TURN NORTHEAST ON MADISON AVE. FOR 0.50 MI (0.80 KM) TO OBSERVATORY AVE. TURN EAST ON OBSERVATORY AVE. THAT CHANGES TO PARKLINE AVE. FOR 2.61 MI (4.20 KM) TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 88.4 FT NORTH OF THE SOUTH CURB EDGE OF THE LAWN AREA, 36.3 FT SOUTH OF THE NORTH CURB EDGE OF SAID LAWN AREA AND 15.3 FT EAST OF THE EAST EDGE OF THE MACADAM WALK.

Azimuth Mark

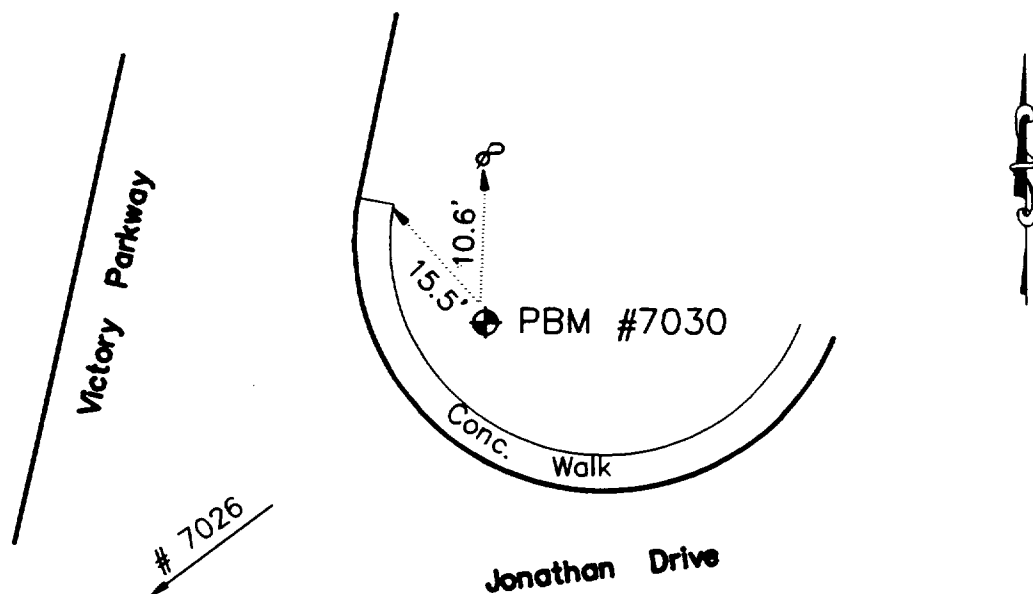
No. 7029

Neighborhood: Mt. Lookout

Pairs with B.M. 7001

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: GILBERT AVE AND VICTORY PARKWAY



STATION IS LOCATED AT THE "Y" INTERSECTION OF VICTORY PARKWAY AND JONATHAN DRIVE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 2 BLOCKS TO 7TH ST. TURN EAST ON 7TH ST. FOR 2 BLOCKS TO GILBERT AVE. TURN NORTHEAST ON GILBERT AVE. FOR 2.59 MI (4.17 KM) TO VICTORY PKY. PROCEED NORTH ON VICTORY PKWY. TO JONATHAN DR. AND TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 15.5 FT EAST OF THE WEST CURB EDGE PRODUCED SOUTH ON THE EAST SIDE OF VICTORY PKWY., 14.1 FT SOUTHEAST OF THE NORTH END OF A CONCRETE WALK, 10.6 FT NORTHWEST OF A STREET LIGHT AND A RIGHT ANGLE DISTANCE OF 5.2 FT NORTHEAST OF SAID CONCRETE WALK.

Azimuth Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	209.084
Elevation in US Survey feet	685.97
Final Adjusted Elevation from NGS	AUGUST 1992

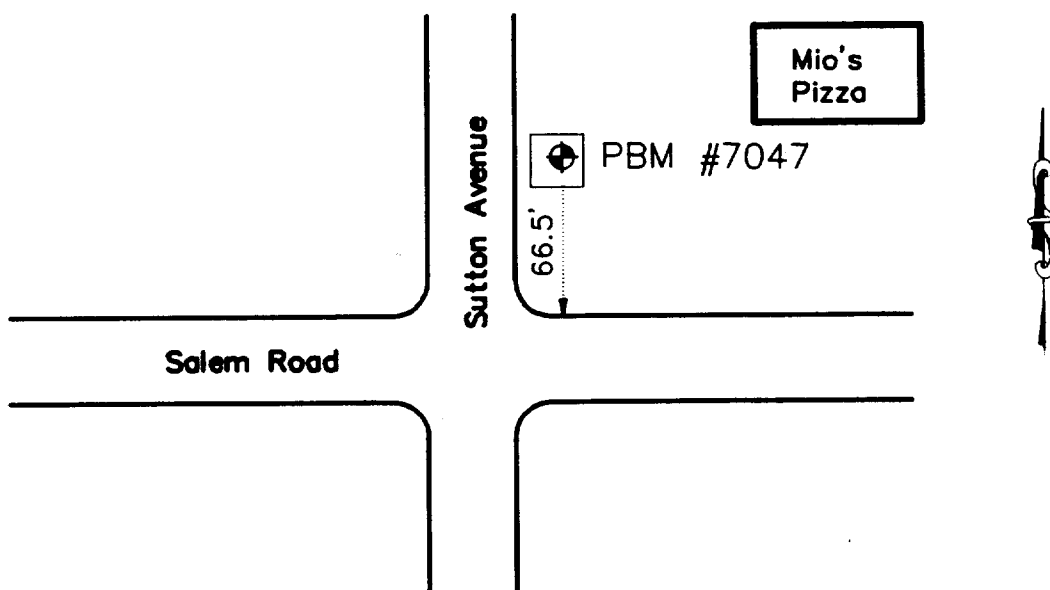
No. 7030

Neighborhood: WALNUT HILLS

Pairs with B.M. 7026

City of Cincinnati
Department of Public Works • Engineering Division
BENCHMARK DATA SHEET

Approximate Location: MT. WASHINGTON



THE STATION IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF SALEM AND SUTTON ROADS IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING SURFACE OF A 4.5 FT X 4.5 FT CONCRETE BASE FOR A C.G. & E. POWER BOX AND IS LOCATED 66.5 FT NORTH OF THE NORTH EDGE OF SAID SALEM ROAD AND 2.7 FT EAST OF THE EAST EDGE OF SAID SUTTON ROAD.

Intermediate Mark

Vertical

Accuracy	2nd Order Class II
Datum	NAVD 29 NAVD 88
Elevation in meters	216.722
Elevation in US Survey feet	711.03
Final Adjusted Elevation from NGS	August 1992

No. 7047

Neighborhood: Mt. Washington